

INFORMATION REQUIREMENT - TERMS AND CONDITIONS FOR VIRTUAL COLLOCATION SPACE - INSTALLATION, MAINTENANCE, AND REPAIR OF INTERCONNECTOR-DESIGNATED EQUIPMENT BY OUTSIDE CONTRACTORS

(a) State whether PRTC uses outside contractors to maintain and repair its own transmission equipment. If PRTC does use outside contractors to maintain and repair its own transmission equipment, explain why its tariff does not permit interconnectors to select outside contractors to perform maintenance and repair of interconnector-designated equipment, as required in the Virtual Collocation Order. (Order at ¶ 104)

PRTC does not use outside contractors to maintain and repair its own transmission equipment, relying instead on its own employees. However, if presented with a problem that PRTC's employees cannot solve, then PRTC calls upon the services of the equipment supplier. Application of this procedure for interconnector-designated equipment is consistent with the Virtual Collocation Order.

The Commission imposed the responsibility upon the LEC to maintain and repair the central office equipment that the LEC owns and that is dedicated to the use of interconnectors.¹⁰ In the event that the LEC permits outside service representatives to enter its central office to maintain or repair LEC equipment, the LEC must permit outside service representatives to do the same for virtual collocators.¹¹ The Commission also found that it may be less costly to the interconnector if outside contractors provide maintenance and repair functions for equipment with which the LEC employees are not familiar. However, to the extent that the equipment is the same as that the LEC itself employs, there

¹⁰ Expanded Interconnection MO&O, 9 FCC Rcd at 5172.

¹¹ Id. at 5173.

should be no concern regarding the LEC passing on to the interconnector additional charges for training LEC personnel to service the equipment.

PRTC's procedure, therefore, is consistent with these Commission findings. PRTC employees primarily maintain and repair the central office equipment, but PRTC will utilize the services of the equipment supplier itself when faced with a problem or task for which PRTC's employees have not been trained to address. PRTC will apply the same procedure to the interconnector as it provides to itself. Therefore, the interconnector would be charged for providing training to PRTC employees to work with unfamiliar equipment only at the interconnector's direction. See PRTC Tariff F.C.C. No. 1, Section 18.3 at 18-6.

(b) State whether PRTC will honor an interconnector's request that PRTC add contractors who meet PRTC's certification requirements to PRTC's approved contractor lists. If PRTC does not honor such requests, explain the reasons for its policies. (Order at ¶ 104)

PRTC does not currently have certification requirements for outside contractors to maintain and repair transmission equipment, because PRTC uses only its own employees or the equipment supplier for these purposes. PRTC only uses outside contractors for installation, and in that case, it generally uses the installation personnel provided by the equipment supplier. PRTC would follow the same policy for all interconnectors requesting service under PRTC's virtual collocation tariff, as

stated in PRTC's Tariff F.C.C. No. 1, Section 18.3 at 18-6.

(c) Explain the following: (1) the criteria PRTC will use to determine whether to certify an outside contractor to install, maintain, and repair interconnector-designated equipment; (2) the criteria PRTC uses to certify outside contractors who install, maintain, and repair PRTC's other DS1 and DS3 special and switched access transmission equipment; and (3) whether any of the former requirements are more stringent than the latter.
(Order at ¶ 105)

As explained in the previous responses, PRTC utilizes outside contractors solely for the installation of equipment, and only PRTC employees provide repair and maintenance services. This policy applies both for interconnector-designated equipment and for PRTC's DS1 and DS3 special and switched access transmission equipment. With respect to installation of equipment, PRTC's certification procedure is satisfied when the equipment supplier provides for PRTC's review pertinent information regarding the individuals who will be performing the task, including names, qualifications, and the identification of any subcontractors that may be involved in the installation, so that PRTC can verify the qualifications of the supplier employees.

INFORMATION REQUIREMENT - TERMS AND CONDITIONS FOR VIRTUAL COLLOCATION SPACE - INSTALLATION, MAINTENANCE, AND REPAIR INTERVALS

(a) Explain why PRTC's tariff does not state that PRTC will comply with the Virtual Collocation Order's requirement that LECs install, maintain and repair interconnector-designated equipment under, at a minimum, the time intervals and failure rates that apply to LEC equipment for DS1 and DS3 special access and switched transport services. (Order at ¶ 108)

LECs must provide services for installing, maintaining, and repairing the central office equipment owned by the LECs and dedicated to the use of interconnectors. The Virtual Collocation Order clearly sets forth the standard under which this requirement must be met: "at a minimum, under the same time intervals, and with the same failure rates, that apply to the performance of similar functions for comparable LEC equipment."¹² To the extent that PRTC performs virtual collocation functions to an interconnector similar to functions that it performs for itself, PRTC will provide service to the interconnector within the same interval that PRTC provides for itself. The omission of this language in the tariff does not suggest that PRTC will not satisfy the Commission's standard, particularly given the clear standard set forth in the Virtual Collocation Order.

¹² Id. at 5172.

(b) Discuss why it would not be reasonable to inform interconnectors of PRTC's specific installation, maintenance and repair intervals by including appropriate language in its tariff. In particular, comment on whether it would benefit interconnectors, without being unduly burdensome to PRTC, to state in PRTC's tariff: (1) the frequency with which it will perform maintenance and repair of interconnector-designated equipment; (2) the maximum response time to intermittent service outages; and (3) the restoration priorities if a PRTC wire center is inoperative. (Order at ¶ 108)

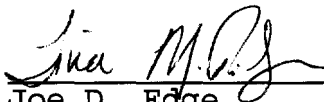
PRTC's maintenance and repair intervals for collocation services would depend upon actual experience with collocators. To date, PRTC has received no requests for virtual collocation under the tariff and thus is not in a position to set specific intervals. It is likely that repair times could differ depending on the needs of the collocator and the actual repair that is required, so a standard maintenance and repair response interval is not necessarily appropriate. In addition, it would not be appropriate to tariff a collocation service restoration plan, because PRTC's service restoration plan is intended to prioritize restoration of service for customers providing services related to defense and public safety. This plan is set forth in PRTC's Tariff F.C.C No.1 Section 13.3.3, attached hereto as Exhibit 11. In the event of service interruption, all collocators will have service restored on a nondiscriminatory basis.

(c) Explain whether PRTC has any obligation under its tariff to monitor central office equipment and to notify interconnectors when maintenance and repair service is warranted. If it does not have such an obligation under its tariff, explain why this is consistent with the Commission's virtual collocation requirements. (Order at ¶ 109)

Under the Virtual Collocation Order, LECs are responsible for maintenance and repair of the central office equipment that is dedicated to interconnection. PRTC's tariff requires the customer to inform PRTC that the customer intends for PRTC to maintain its equipment and facilities used to provision virtual collocation. If this is the customer's selection, this maintenance function necessarily includes monitoring and required repairs. In general, however, PRTC's tariff provides that the customer is responsible for monitoring the performance of the facilities and equipment used to provision VEIS. See PRTC Tariff F.C.C. No. 1, Section 18.3 at 18-7.

Respectfully submitted,

PUERTO RICO TELEPHONE COMPANY



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Its Attorneys

April 10, 1997

CERTIFICATE OF SERVICE

I, Dottie E. Holman, do hereby certify that a copy of the foregoing Direct Case of Puerto Rico Telephone Company was delivered by hand-delivery this 10th day of April, 1997, to the following:

William F. Caton
Secretary
Federal Communications
Commission
1919 M Street, NW, Room 222
Washington, DC 20554

ITS
2100 M Street, NW
Room 140
Washington, DC 20037

Competitive Pricing Division
Common Carrier Bureau
1919 M Street, N.W., Rm. 518
Washington, D.C. 20554


Dottie E. Holman

Per Month or Occurrence

[illegible]

III. Virtual Collocation Investment DS1 Cross Connect Function

	A	B	C	D	E	F	G	H
	Rate Elements/Investment Items	Unit Investment	Installation Hours	Installation Direct Cost Per Hour	Engineering Hours	Engineering Direct Cost Per Hour	Installed Unit Investment (B+(C*D)+(E*F))	Unit Capacity
1	DS1 Cross Connect							
2	Item A - Abam Cable 1/2	\$588.00	ICB 1/1	ICB 1/1	ICB 1/1	ICB 1/1	\$588.00	1
3	Item B - DSX -1 Jackfield	\$1,000.00	ICB 1/1	ICB 1/1	ICB 1/1	ICB 1/1	\$1,000.00	28
4	Item C							
5	Item D							
6	Item E							
7	Total	--	--	--	--	--	--	--
8								
9	Recurring Rate Element 2							
10	Item A							
11	Item B							
12	Item C							
13	Item D							
14	Item E							
15	Total	--	--	--	--	--	--	--
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--	--	--	--	--	--	--
24								
25	Nonrecurring Rate Element 1							
26	Item A							
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--	--	--	--	--	--	--
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--	--	--	--	--	--	--
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--	--	--	--	--	--	--

Note 11

PRTC has not installed or engineered any VE S cable support elements. The Company has not received a bona-fide request for any VEIS service at this time.

Note 12

Abam cable investment assumes 200 feet of cable

III. Virtual Collocation Investment DS1 Cross Connect Function

	A	I	J	K	L	M	N	O
	Rate Elements\Investment Items	Fill Factor (% Utilization)	Unit Capacity Investment (B/H/I)	Installation Per Unit (C*D/H/I)	Engineering Per Unit (E*F/H/I)	Installed Unit Capacity Investment (G/H/I)	Required No. of Items Per Unit	Total Installed Unit Cap Investment (M*N)
1	DS1 Cross Connect							
2	Item A - Abam Cable V2	100.00%	\$588.00	ICB \1	ICB \1	\$588.00	1	\$588.00
3	Item B - DSX -1 Jackfield	100.00%	\$35.71	ICB \1	ICB \1	\$35.71	1	\$35.71
4	Item C							
5	Item D							
6	Item E							
7	Total	--	\$623.71			\$623.71	--	\$623.71
8								
9	Recurring Rate Element 2							
10	Item A							
11	Item B							
12	Item C							
13	Item D							
14	Item E							
15	Total	--					--	
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--					--	
24								
25	Nonrecurring Rate Element 1							
26	Item A							
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--					--	
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--					--	
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--					--	

IV. Virtual Collocation Direct Costs DS1 Cross Connect Function

	A	P	Q	R	S	T	U	V	W
	Rate Elements\Investment Items	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
1	DS1 Cross Connect								
2	Item A - Abam Cable V2	0.089	0.0942	0.0507	NA	0.0254	0.0471	0.093	NA
3	Item B - DSX -1 Jackfield	0.089	0.0942	0.0507	NA	0.0254	0.0471	0.093	NA
4	Item C								
5	Item D								
6	Item E								
7	Total	--	--	--	--	--	--	--	--
8									
9	Recurring Rate Element 2								
10	Item A								
11	Item B								
12	Item C								
13	Item D								
14	Item E								
15	Total	--	--	--	--	--	--	--	--
16									
17	Recurring Rate Element 3								
18	Item A								
19	Item B								
20	Item C								
21	Item D								
22	Item E								
23	Total	--	--	--	--	--	--	--	--
24									
25	Nonrecurring Rate Element 1	--	--	--	--	--	--	--	--
26	Item A	--	--	--	--	--	--	--	--
27	Item B	--	--	--	--	--	--	--	--
28	Item C	--	--	--	--	--	--	--	--
29	Item D	--	--	--	--	--	--	--	--
30	Item E	--	--	--	--	--	--	--	--
31	Total	--	--	--	--	--	--	--	--
32									
33	Nonrecurring Rate Element 2	--	--	--	--	--	--	--	--
34	Item A	--	--	--	--	--	--	--	--
35	Item B	--	--	--	--	--	--	--	--
36	Item C	--	--	--	--	--	--	--	--
37	Item D	--	--	--	--	--	--	--	--
38	Item E	--	--	--	--	--	--	--	--
39	Total	--	--	--	--	--	--	--	--
40									
41	Nonrecurring Rate Element 3	--	--	--	--	--	--	--	--
42	Item A	--	--	--	--	--	--	--	--
43	Item B	--	--	--	--	--	--	--	--
44	Item C	--	--	--	--	--	--	--	--
45	Item D	--	--	--	--	--	--	--	--
46	Item E	--	--	--	--	--	--	--	--
47	Total	--	--	--	--	--	--	--	--

IV. Virtual Collocation Direct Costs DS1 Cross Connect Function

	A	X	Y	Z	AA	BB	CC	DD	EE
	Rate Elements\Investment Items	Depreciation Expense (O*P)	Dollar Cost of Money (O*Q)	FIT Expense (O*R)	SLIT Expense (O*S)	Other Tax Expense (O*T)	Maintenance Expense (O*U)	Administrative Expense (O*V)	Other Expense (O*W)
1	DS1 Cross Connect								
2	Item A - Abam Cable V2	\$52.33	\$55.39	\$29.83	\$0.00	\$14.94	\$27.69	\$54.68	\$0.00
3	Item B - DSX -1 Jackfield	\$3.18	\$3.36	\$1.81	\$0.00	\$0.91	\$1.68	\$3.32	\$0.00
4	Item C								
5	Item D								
6	Item E								
7	Total	\$55.51	\$58.75	\$31.64	\$0.00	\$15.84	\$29.38	\$58.01	\$0.00
8									
9	Recurring Rate Element 2								
10	Item A								
11	Item B								
12	Item C								
13	Item D								
14	Item E								
15	Total								
16									
17	Recurring Rate Element 3								
18	Item A								
19	Item B								
20	Item C								
21	Item D								
22	Item E								
23	Total								
24									
25	Nonrecurring Rate Element 1	--	--	--	--	--	--	--	--
26	Item A	--	--	--	--	--	--	--	--
27	Item B	--	--	--	--	--	--	--	--
28	Item C	--	--	--	--	--	--	--	--
29	Item D	--	--	--	--	--	--	--	--
30	Item E	--	--	--	--	--	--	--	--
31	Total	--	--	--	--	--	--	--	--
32									
33	Nonrecurring Rate Element 2	--	--	--	--	--	--	--	--
34	Item A	--	--	--	--	--	--	--	--
35	Item B	--	--	--	--	--	--	--	--
36	Item C	--	--	--	--	--	--	--	--
37	Item D	--	--	--	--	--	--	--	--
38	Item E	--	--	--	--	--	--	--	--
39	Total	--	--	--	--	--	--	--	--
40									
41	Nonrecurring Rate Element 3	--	--	--	--	--	--	--	--
42	Item A	--	--	--	--	--	--	--	--
43	Item B	--	--	--	--	--	--	--	--
44	Item C	--	--	--	--	--	--	--	--
45	Item D	--	--	--	--	--	--	--	--
46	Item E	--	--	--	--	--	--	--	--

V. Virtual Collocation Price Out DS1 Cross Connect Function

	A Rate Elements/Investment Items	FF	GG	HH	II	JJ	KK	LL	MM
		Total Annual Recurring Direct Unit Cost (Sum X+Y..+EE)	Total Monthly Recurring Direct Unit Cost (FF/12)	Monthly Recurring Rate Per Unit	Nonrecurring Hrly. Direct Labor Cost Other Than in D or F	Total Nonrecurring Direct Unit Cost (O or II)	Nonrecurring Rate Per Unit	Unit Of Measure	Units Required Per 100 DS1s
1	DS1 Cross Connect								
2	Item A - Abam Cable 12	\$234.86	\$19.57	\$19.77	--	--	--	1	100
3	Item B - DSX -1 Jackfield	\$14.27	\$1.19	\$1.20	--	--	--	1	100
4	Item C				--	--	--		
5	Item D				--	--	--		
6	Item E				--	--	--		
7	Total	\$249.13	\$20.76	\$20.97	--	--	--	--	--
8									
9	Recurring Rate Element 2				--	--	--		
10	Item A				--	--	--		
11	Item B				--	--	--		
12	Item C				--	--	--		
13	Item D				--	--	--		
14	Item E				--	--	--		
15	Total				--	--	--	--	--
16									
17	Recurring Rate Element 3				--	--	--		
18	Item A				--	--	--		
19	Item B				--	--	--		
20	Item C				--	--	--		
21	Item D				--	--	--		
22	Item E				--	--	--		
23	Total				--	--	--	--	--
24									
25	Nonrecurring Rate Element 1	--	--	--					
26	Item A	--	--	--	--				
27	Item B	--	--	--	--				
28	Item C	--	--	--	--				
29	Item D	--	--	--	--				
30	Item E	--	--	--	--				
31	Total	--	--	--	--			--	--
32									
33	Nonrecurring Rate Element 2	--	--	--					
34	Item A	--	--	--	--				
35	Item B	--	--	--	--				
36	Item C	--	--	--	--				
37	Item D	--	--	--	--				
38	Item E	--	--	--	--				
39	Total	--	--	--	--			--	--
40									
41	Nonrecurring Rate Element 3	--	--	--					
42	Item A	--	--	--	--				
43	Item B	--	--	--	--				
44	Item C	--	--	--	--				
45	Item D	--	--	--	--				
46	Item E	--	--	--	--				
47	Total	--	--	--	--			--	--

V. Virtual Collocation Price Out DS1 Cross Connect Function

	A	NN Total Monthly Recurring Direct Cost (GG*MM)	OO Total Nonrecurring Direct Cost (JJ*MM)	PP Amortized Nonrecurring Direct Cost	QQ Total Monthly Direct Cost (NN or PP)	RR Total Monthly Recurring Charge (HH*MM)	SS Total Nonrecurring Charge (KK*MM)	TT Amortized Nonrecurring Charge	UU Total Monthly Charge (RR or TT)
1	DS1 Cross Connect								
2	Item A - Abam Cable V2	\$1,957.19	--	--	\$1,957.19	\$1,976.76	--	--	\$1,976.76
3	Item B - DSX -1 Jackfield	\$118.88	--	--	\$118.88	\$120.07	--	--	\$120.07
4	Item C	--	--	--	--	--	--	--	--
5	Item D	--	--	--	--	--	--	--	--
6	Item E	--	--	--	--	--	--	--	--
7	Total	\$2,076.07	--	--	\$2,076.07	\$2,096.83	--	--	\$2,096.83
8									
9	Recurring Rate Element 2		--	--			--	--	
10	Item A	--	--	--			--	--	
11	Item B	--	--	--			--	--	
12	Item C	--	--	--			--	--	
13	Item D	--	--	--			--	--	
14	Item E	--	--	--			--	--	
15	Total	--	--	--			--	--	
16									
17	Recurring Rate Element 3		--	--			--	--	
18	Item A	--	--	--			--	--	
19	Item B	--	--	--			--	--	
20	Item C	--	--	--			--	--	
21	Item D	--	--	--			--	--	
22	Item E	--	--	--			--	--	
23	Total	--	--	--			--	--	
24									
25	Nonrecurring Rate Element 1	--				--			
26	Item A	--				--			
27	Item B	--				--			
28	Item C	--				--			
29	Item D	--				--			
30	Item E	--				--			
31	Total	--				--			
32									
33	Nonrecurring Rate Element 2	--				--			
34	Item A	--				--			
35	Item B	--				--			
36	Item C	--				--			
37	Item D	--				--			
38	Item E	--				--			
39	Total	--				--			
40									
41	Nonrecurring Rate Element 3	--				--			
42	Item A	--				--			
43	Item B	--				--			
44	Item C	--				--			
45	Item D	--				--			
46	Item E	--				--			
47	Total	--				--			
48 Total Monthly Direct Cost Per 100 DS1s					48 Total Monthly Charge Per 100 DS1s				

III. Virtual Collocation Investment DS3 Cross Connect Function

	A	B	C	D	E	F	G	H
	Rate Elements/Investment Items	Unit Investment	Installation Hours	Installation Direct Cost Per Hour	Engineering Hours	Engineering Direct Cost Per Hour	Installed Unit Investment (B+(C*D)+(E*F))	Unit Capacity
1	DS3 Cross Connect							
2	Item A - Abam Cable	\$588.00	ICB \1	ICB \1	ICB \1	ICB \1	\$588.00	1
3	Item B - DSX -3 Jackfield	\$5,800.00	ICB \1	ICB \1	ICB \1	ICB \1	\$5,800.00	1
4	Item C							
5	Item D							
6	Item E							
7	Total	--	--	--	--	--	--	--
8								
9	Recurring Rate Element 2							
10	Item A							
11	Item B							
12	Item C							
13	Item D							
14	Item E							
15	Total	--	--	--	--	--	--	--
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--	--	--	--	--	--	--
24								
25	Nonrecurring Rate Element 1							
26	Item A							
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--	--	--	--	--	--	--
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--	--	--	--	--	--	--
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--	--	--	--	--	--	--

Note \1

PRTC has not installed or engineered any VEI cable support elements. The Company has not received a bona-fide request for any VEIS service at this time.

Note \2

Abam cable investment assumes 200 feet of cable

III. Virtual Collocation Investment DS3 Cross Connect Function

	A	I	J	K	L	M	N	O
	Rate Elements/Investment Items	Fill Factor (% Utilization)	Unit Capacity Investment (B/H/I)	Installation Per Unit (C*D/H/I)	Engineering Per Unit (E*F/H/I)	Installed Unit Capacity Investment (G/H/I)	Required No. of Items Per Unit	Total Installed Unit Cap Investment (M*N)
1	DS3 Cross Connect							
2	Item A - Abam Cable	100.00%	\$588.00	ICB \1	ICB \1	\$588.00	1	\$588.00
3	Item B - DSX -3 Jackfield	100.00%	\$5,800.00	ICB \1	ICB \1	\$5,800.00	1	\$5,800.00
4	Item C							
5	Item D							
6	Item E							
7	Total	--	\$6,388.00			\$6,388.00	--	\$6,388.00
8								
9	Recurring Rate Element 2							
10	Item A							
11	Item B							
12	Item C							
13	Item D							
14	Item E							
15	Total	--					--	
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--					--	
24								
25	Nonrecurring Rate Element 1							
26	Item A							
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--					--	
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--					--	
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--					--	

IV. Virtual Collocation Direct Costs DS3 Cross Connect Function

	A	P	Q	R	S	T	U	V	W
	Rate Elements/Investment Items	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
1	DS3 Cross Connect								
2	Item A - Abam Cable	0.089	0.0942	0.0507	NA	0.0254	0.0471	0.093	NA
3	Item B - DSX -3 Jackfield	0.089	0.0942	0.0507	NA	0.0254	0.0471	0.093	NA
4	Item C								
5	Item D								
6	Item E								
7	Total	--	--	--	--	--	--	--	--
8									
9	Recurring Rate Element 2								
10	Item A								
11	Item B								
12	Item C								
13	Item D								
14	Item E								
15	Total	--	--	--	--	--	--	--	--
16									
17	Recurring Rate Element 3								
18	Item A								
19	Item B								
20	Item C								
21	Item D								
22	Item E								
23	Total	--	--	--	--	--	--	--	--
24									
25	Nonrecurring Rate Element 1	--	--	--	--	--	--	--	--
26	Item A	--	--	--	--	--	--	--	--
27	Item B	--	--	--	--	--	--	--	--
28	Item C	--	--	--	--	--	--	--	--
29	Item D	--	--	--	--	--	--	--	--
30	Item E	--	--	--	--	--	--	--	--
31	Total	--	--	--	--	--	--	--	--
32									
33	Nonrecurring Rate Element 2	--	--	--	--	--	--	--	--
34	Item A	--	--	--	--	--	--	--	--
35	Item B	--	--	--	--	--	--	--	--
36	Item C	--	--	--	--	--	--	--	--
37	Item D	--	--	--	--	--	--	--	--
38	Item E	--	--	--	--	--	--	--	--
39	Total	--	--	--	--	--	--	--	--
40									
41	Nonrecurring Rate Element 3	--	--	--	--	--	--	--	--
42	Item A	--	--	--	--	--	--	--	--
43	Item B	--	--	--	--	--	--	--	--
44	Item C	--	--	--	--	--	--	--	--
45	Item D	--	--	--	--	--	--	--	--
46	Item E	--	--	--	--	--	--	--	--
47	Total	--	--	--	--	--	--	--	--

IV. Virtual Collocation Direct Costs DS3 Cross Connect Function

	A	X	Y	Z	AA	BB	CC	DD	EE
	Rate Elements/Investment Items	Depreciation Expense (O*P)	Dollar Cost of Money (O*Q)	FIT Expense (O*R)	SLIT Expense (O*S)	Other Tax Expense (O*T)	Maintenance Expense (O*U)	Administrative Expense (O*V)	Other Expense (O*W)
1	DS3 Cross Connect								
2	Item A - Abam Cable	\$52.33	\$55.39	\$29.83	\$0.00	\$14.94	\$27.69	\$54.68	\$0.00
3	Item B - DSX -3 Jackfield	\$516.20	\$546.36	\$294.21	\$0.00	\$147.32	\$273.18	\$539.40	\$0.00
4	Item C								
5	Item D								
6	Item E								
7	Total	\$568.53	\$601.75	\$324.04	\$0.00	\$162.26	\$300.87	\$594.08	\$0.00
8									
9	Recurring Rate Element 2								
10	Item A								
11	Item B								
12	Item C								
13	Item D								
14	Item E								
15	Total								
16									
17	Recurring Rate Element 3								
18	Item A								
19	Item B								
20	Item C								
21	Item D								
22	Item E								
23	Total								
24									
25	Nonrecurring Rate Element 1	--	--	--	--	--	--	--	--
26	Item A	--	--	--	--	--	--	--	--
27	Item B	--	--	--	--	--	--	--	--
28	Item C	--	--	--	--	--	--	--	--
29	Item D	--	--	--	--	--	--	--	--
30	Item E	--	--	--	--	--	--	--	--
31	Total	--	--	--	--	--	--	--	--
32									
33	Nonrecurring Rate Element 2	--	--	--	--	--	--	--	--
34	Item A	--	--	--	--	--	--	--	--
35	Item B	--	--	--	--	--	--	--	--
36	Item C	--	--	--	--	--	--	--	--
37	Item D	--	--	--	--	--	--	--	--
38	Item E	--	--	--	--	--	--	--	--
39	Total	--	--	--	--	--	--	--	--
40									
41	Nonrecurring Rate Element 3	--	--	--	--	--	--	--	--
42	Item A	--	--	--	--	--	--	--	--
43	Item B	--	--	--	--	--	--	--	--
44	Item C	--	--	--	--	--	--	--	--
45	Item D	--	--	--	--	--	--	--	--
46	Item E	--	--	--	--	--	--	--	--
47	Total	--	--	--	--	--	--	--	--

V. Virtual Collocation Price Out DS3 Cross Connect Function

	A	FF	GG	HH	II	JJ	KK	LL	MM
	Rate Elements\Investment Items	Total Annual Recurring Direct Unit Cost (Sum X+Y...+EE)	Total Monthly Recurring Direct Unit Cost (FF/12)	Monthly Recurring Rate Per Unit	Nonrecurring Hrly. Direct Labor Cost Other Than in D or F	Total Nonrecurring Direct Unit Cost (O or II)	Nonrecurring Rate Per Unit	Unit Of Measure	Units Required Per 4 DS3s
1	DS3 Cross Connect								
2	Item A - Abam Cable	\$234.86	\$19.57	\$21.85	--	--	--	1	4
3	Item B - DSX -3 Jackfield	\$2,316.67	\$193.06	\$215.51	--	--	--	1	4
4	Item C				--	--	--		
5	Item D				--	--	--		
6	Item E				--	--	--		
7	Total	\$2,551.54	\$212.63	\$237.36	--	--	--	--	--
8									
9	Recurring Rate Element 2				--	--	--		
10	Item A				--	--	--		
11	Item B				--	--	--		
12	Item C				--	--	--		
13	Item D				--	--	--		
14	Item E				--	--	--		
15	Total				--	--	--	--	--
16									
17	Recurring Rate Element 3				--	--	--		
18	Item A				--	--	--		
19	Item B				--	--	--		
20	Item C				--	--	--		
21	Item D				--	--	--		
22	Item E				--	--	--		
23	Total				--	--	--	--	--
24									
25	Nonrecurring Rate Element 1	--	--	--					
26	Item A	--	--	--	--				
27	Item B	--	--	--	--				
28	Item C	--	--	--	--				
29	Item D	--	--	--	--				
30	Item E	--	--	--	--				
31	Total	--	--	--	--			--	--
32									
33	Nonrecurring Rate Element 2	--	--	--					
34	Item A	--	--	--	--				
35	Item B	--	--	--	--				
36	Item C	--	--	--	--				
37	Item D	--	--	--	--				
38	Item E	--	--	--	--				
39	Total	--	--	--	--			--	--
40									
41	Nonrecurring Rate Element 3	--	--	--					
42	Item A	--	--	--	--				
43	Item B	--	--	--	--				
44	Item C	--	--	--	--				
45	Item D	--	--	--	--				
46	Item E	--	--	--	--				
47	Total	--	--	--	--			--	--

V. Virtual Collocation Price Out DS3 Cross Connect Function

	A	NN Total Monthly Recurring Direct Cost (GG*MM)	OO Total Nonrecurring Direct Cost (JJ*MM)	PP Amortized Nonrecurring Direct Cost	QQ Total Monthly Direct Cost (NN or PP)	RR Total Monthly Recurring Charge (HH*MM)	SS Total Nonrecurring Charge (KK*MM)	TT Amortized Nonrecurring Charge	UU Total Monthly Charge (RR or TT)
1	DS3 Cross Connect								
2	Item A - Abam Cable	\$78.29	--	--	\$78.29	\$87.39	--	--	\$87.39
3	Item B - DSX -3 Jackfield	\$772.22	--	--	\$772.22	\$862.03	--	--	\$862.03
4	Item C		--	--			--	--	
5	Item D		--	--			--	--	
6	Item E		--	--			--	--	
7	Total	\$850.51	--	--	\$850.51	\$949.43	--	--	\$949.43
8									
9	Recurring Rate Element 2		--	--			--	--	
10	Item A		--	--			--	--	
11	Item B		--	--			--	--	
12	Item C		--	--			--	--	
13	Item D		--	--			--	--	
14	Item E		--	--			--	--	
15	Total		--	--			--	--	
16									
17	Recurring Rate Element 3		--	--			--	--	
18	Item A		--	--			--	--	
19	Item B		--	--			--	--	
20	Item C		--	--			--	--	
21	Item D		--	--			--	--	
22	Item E		--	--			--	--	
23	Total		--	--			--	--	
24									
25	Nonrecurring Rate Element 1	--				--			
26	Item A	--				--			
27	Item B	--				--			
28	Item C	--				--			
29	Item D	--				--			
30	Item E	--				--			
31	Total	--				--			
32									
33	Nonrecurring Rate Element 2	--				--			
34	Item A	--				--			
35	Item B	--				--			
36	Item C	--				--			
37	Item D	--				--			
38	Item E	--				--			
39	Total	--				--			
40									
41	Nonrecurring Rate Element 3	--				--			
42	Item A	--				--			
43	Item B	--				--			
44	Item C	--				--			
45	Item D	--				--			
46	Item E	--				--			
47	Total	--				--			
48 Total Monthly Direct Cost Per 4 DS3s					48 Total Monthly Charge Per 4 DS3s				

III. Virtual Collocation Investment DS1DS3 Entrance Function

	A	B	C	D	E	F	G	H
	Rate Elements/Investment Items	Unit Investment	Installation Hours	Installation Direct Cost Per Hour	Engineering Hours	Engineering Direct Cost Per Hour	Installed Unit Investment (B+(C*D)+(E*F))	Unit Capacity
1	Floor Space - Recurring							
2	Item A - Buildings	\$188.66	NA	NA	NA	NA	\$188.66	1
3	Item B							
4	Item C							
5	Item D							
6	Item E							
7	Total	--	--	--	--	--	--	--
8								
9	Cable Support - Recurring							
10	Item A - Sub-conduit 1/2	\$444.00	ICB 1/1	ICB 1/1	ICB 1/1	ICB 1/1	\$444.00	1
11	Item B - Conduit & Cable Support 1/2	\$5,800.00	ICB 1/1	ICB 1/1	ICB 1/1	ICB 1/1	\$5,800.00	1
12	Item C							
13	Item D							
14	Item E							
15	Total	--	--	--	--	--	--	--
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--	--	--	--	--	--	--
24								
25	Nonrecurring - Cable Installation							
26	Item A - Cable Installation	\$0.00	35.00	\$36.00	6	36	\$1,476.00	1
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--	--	--	--	--	--	--
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--	--	--	--	--	--	--
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--	--	--	--	--	--	--

Note 1/1

PRTC has not installed or engineered any VE S cable support elements. The Company has not received a bona-fide request for any VEIS service at this time.

Note 1/2

Cable support material investment assumes 00 feet of cable

III. Virtual Collocation Investment DS1\DS3 Entrance Function

	A	I	J	K	L	M	N	O
	Rate Elements/Investment Items	Fill Factor (% Utilization)	Unit Capacity Investment (B/H/I)	Installation Per Unit (C*D/H/I)	Engineering Per Unit (E*F/H/I)	Installed Unit Capacity Investment (G/H/I)	Required No. of Items Per Unit	Total Installed Unit Cap Investment (M*N)
1	Floor Space - Recurring							
2	Item A - Buildings	100.00%	\$188.66	NA	NA	\$188.66	1	\$188.66
3	Item B							
4	Item C							
5	Item D							
6	Item E							
7	Total	--	\$188.66	NA	NA	\$188.66	--	\$188.66
8								
9	Cable Support - Recurring							
10	Item A - Sub-conduit 1/2	100.00%	\$444.00	ICB 1/1	ICB 1/1	\$444.00	1	\$444.00
11	Item B - Conduit & Cable Support 1/2	100.00%	\$5,800.00	ICB 1/1	ICB 1/1	\$5,800.00	1	\$5,800.00
12	Item C							
13	Item D							
14	Item E							
15	Total	--	\$6,244.00	\$0.00	\$0.00	\$6,244.00	--	\$6,244.00
16								
17	Recurring Rate Element 3							
18	Item A							
19	Item B							
20	Item C							
21	Item D							
22	Item E							
23	Total	--					--	
24								
25	Nonrecurring - Cable Installation							
26	Item A - Cable Installation	100.00%	\$0.00	\$1,260.00	\$216.00	\$1,476.00	1	\$1,476.00
27	Item B							
28	Item C							
29	Item D							
30	Item E							
31	Total	--					--	
32								
33	Nonrecurring Rate Element 2							
34	Item A							
35	Item B							
36	Item C							
37	Item D							
38	Item E							
39	Total	--					--	
40								
41	Nonrecurring Rate Element 3							
42	Item A							
43	Item B							
44	Item C							
45	Item D							
46	Item E							
47	Total	--					--	

IV. Virtual Collocation Direct Costs DS1\DS3 Entrance Function

	A	P	Q	R	S	T	U	V	W
	Rate Elements/Investment Items	Depreciation ACF	Cost of Money ACF	FIT ACF	SLIT ACF	Other Tax ACF	Maintenance ACF	Administrative ACF	Other ACF
1	Floor Space - Recurring								
2	Item A - Buildings	0.033	0.1053	0.0587	NA	0.0254	0.1177	0.093	NA
3	Item B								
4	Item C								
5	Item D								
6	Item E								
7	Total	--	--	--	--	--	--	--	--
8									
9	Cable Support - Recurring								
10	Item A - Sub-conduit 12	0.019	0.1083	0.0583	NA	0.0254	0.0581	0.093	NA
11	Item B - Conduit & Cable Support 12	0.019	0.1083	0.0583	NA	0.0254	0.0581	0.093	NA
12	Item C								
13	Item D								
14	Item E								
15	Total	--	--	--	--	--	--	--	--
16									
17	Recurring Rate Element 3								
18	Item A								
19	Item B								
20	Item C								
21	Item D								
22	Item E								
23	Total	--	--	--	--	--	--	--	--
24									
25	Nonrecurring - Cable Installation	--	--	--	--	--	--	--	--
26	Item A - Cable Installation	--	--	--	--	--	--	--	--
27	Item B	--	--	--	--	--	--	--	--
28	Item C	--	--	--	--	--	--	--	--
29	Item D	--	--	--	--	--	--	--	--
30	Item E	--	--	--	--	--	--	--	--
31	Total	--	--	--	--	--	--	--	--
32									
33	Nonrecurring Rate Element 2	--	--	--	--	--	--	--	--
34	Item A	--	--	--	--	--	--	--	--
35	Item B	--	--	--	--	--	--	--	--
36	Item C	--	--	--	--	--	--	--	--
37	Item D	--	--	--	--	--	--	--	--
38	Item E	--	--	--	--	--	--	--	--
39	Total	--	--	--	--	--	--	--	--
40									
41	Nonrecurring Rate Element 3	--	--	--	--	--	--	--	--
42	Item A	--	--	--	--	--	--	--	--
43	Item B	--	--	--	--	--	--	--	--
44	Item C	--	--	--	--	--	--	--	--
45	Item D	--	--	--	--	--	--	--	--
46	Item E	--	--	--	--	--	--	--	--
47	Total	--	--	--	--	--	--	--	--